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PATENT APPLICATION
Docket No: 15689.58

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Keizaburo Sasaki et al.

Serial No.: 09/667,084

) Art Unit
2171

Filed: September 21, 2000

For: DATA CONVERSION APPARATUS, SIGNAL,
DATA CONVERSION METHOD, DCE,
GATEWAY AND COMMUNICATION
APPARATUS

Customer No.: 022913

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record

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believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

Since all listed references are either in the English language or are accompanied by a translation into English, no concise explanation of relevance is required under 37 C.F.R. § 1.98(a)(3).

Petition for Consideration
Under 37 C.F.R. § 1.97(d)

In accordance with 37 C.F.R. § 1.97(d), a Promptness Certification, a Petition for Consideration of Information Disclosure Statement after Final Action or Notice of Allowance, and a check in the amount of \$180.00 to cover the petition fee set forth in 37 C.F.R. § 1.17(i)(1) are enclosed to secure consideration of the references submitted with this Information Disclosure Statement. Please credit any over payment or charge any additional fees to Deposit Account No. 23-3178 of the undersigned.

DATED June 6, 2005.

Respectfully submitted,



ADRIAN J. LEE
Attorney for Applicant
Registration No. 42,785
Customer No. 022913

EXPRESS MAIL NO. EV 657807983 US

PATENT APPLICATION

Docket No: 15689.58

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)
Keizaburo Sasaki et al.)
Serial No.: 09/667,084) Art Unit
) 2171
Filed: September 21, 2000)
For: DATA CONVERSION APPARATUS, SIGNAL,)
DATA CONVERSION METHOD, DCE,)
GATEWAY AND COMMUNICATION)
APPARATUS)
Customer No.: 022913)

PROMPTNESS CERTIFICATION
UNDER 37 C.F.R. § 1.97(e)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that each item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this statement.

Dated June 6, 2005.

Respectfully submitted,



Adrian J. Lee
Attorney for Applicant
Registration No. 42,785
Customer No. 022913

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 15689.58		Application Number 09/667,084	
				Applicant(s) Sasaki Keizaburo et al.			
Filing Date September 21, 2000				Group Art Unit 2171			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
							YES
1	WO 97/05726	2/13/1997	WIPO	H04L12	56		✓
2	WO 99/26387	5/27/1999	WIPO	H04L29	06		✓
OTHER DOCUMENTS				<i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
3		XP-002324214 The Point-to-Point Protocol (PPP) W. Simpson Network working Group July 1994					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Keizaburo Sasaki et al.

Docket No.

15689.58

Application No.

09/667,084

Filing Date

September 21, 2000

Examiner

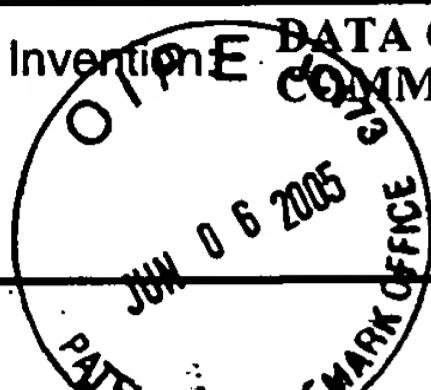
Not Yet Assigned

Customer No.

022913

Group Art Unit

2171

Invention: DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE, GATEWAY AND
COMMUNICATION APPARATUS

I hereby certify that the following correspondence:

(see below)

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

June 6, 2005*(Date)*ADRIAN J. LEE*(Typed or Printed Name of Person Mailing Correspondence)*

A handwritten signature of Adrian J. Lee.

*(Signature of Person Mailing Correspondence)*EV 657807983 US*("Express Mail" Mailing Label Number)*

Note: Each paper must have its own certificate of mailing.

Transmittal for Information Disclosure Statement (1 page; duplicate);
Information Disclosure Statement Under 37 C.F.R. § 1.97 (2 pages);
Promptness Certification (1 page);
Petition for Consideration (1 page)
Form PTO-1449 Listing of References (1 page);
PTO 2038 Credit Card form \$180.00
Legible Copy of References; (3 references)
Certificate of Express Mail (EV657807983US);
Acknowledgment Postcard

EXPRESS MAIL NO. EV 657807983 US

PATENT APPLICATION

Docket No: 15689.58

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Keizaburo Sasaki et al.

Serial No.: 09/667,084

) Art Unit
2171

Filed: September 21, 2000

For: DATA CONVERSION APPARATUS, SIGNAL,
DATA CONVERSION METHOD, DCE,
GATEWAY AND COMMUNICATION
APPARATUS

Customer No.: 022913

PETITION FOR CONSIDERATION
OF INFORMATION DISCLOSURE STATEMENT
AFTER FINAL ACTION OR NOTICE OF ALLOWANCE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.97(d), I hereby request consideration of the accompanying Information Disclosure Statement.

Enclosed is PTO 2038 Credit Card form in the amount of \$180.00 and a Promptness Certification Under 37 C.F.R. § 1.97(e).

Dated this 6th day of June, 2005.

Respectfully submitted,



ADRIAN J. LEE
Attorney for Applicant
Registration No. 42,785
Customer No. 022913

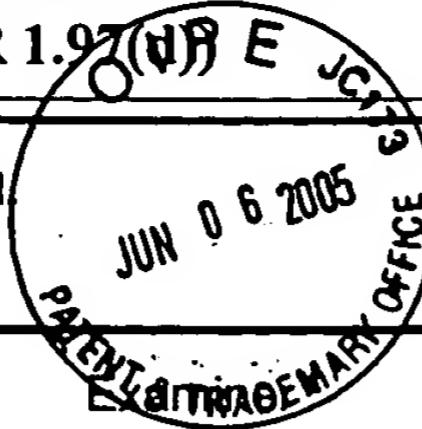
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(d)(3) E JJC)

Docket No.

15689.58

In Re Application Of: Keizaburo Sasaki, et al.



Application No.	Filing Date	Customer No.	Group Art Unit	Confirmation No.
09/667,084	September 21, 2000	Steven Blount	022913	2661
9022				

Title: DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE, GATEWAY AND COMMUNICATION APPARATUS

Address to:
Commissioner for Patents

The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(c), and on or before payment of the issue fee, and is accompanied by the Statement as specified in 37 CFR 1.97(e) and the fee set forth in 37 CFR 1.17(p).

A check in the amount of _____ is attached.

Charge Deposit Account No. _____ in the amount of _____

Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office
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Certificate of Mailing by First Class Mail

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____

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Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Certificate

*This certificate may only be used if paying by deposit account.

Signature

ADRIAN J. LEE

Reg. No.: 42,785

Attorney for Applicant

Dated: June 6, 2005

CC: